WHAT IS CLAIMED IS:

1. A digital camera which is capable of capturing a moving image and recording a captured moving image in a file, the digital camera comprising:

a recording mode setting device which sets one of a single recording mode and a continuous recording mode; and

a recording device which records, when the single recording mode is set by the recording mode setting device, the captured moving image in a newly created file, and records, when the continuous recording mode is set by the recording mode setting device, the captured moving image additionally in an existing file in which a moving image is recorded.

2. The digital camera according to claim 1, further comprising:

an index display instructing device which selects a plurality of files from a recording medium which stores files including the file in which the moving image is recorded in the single recording mode and the file in which the moving image is recorded in the continuous recording mode, and provides an instruction to display an index image constituted by a plurality of frames corresponding to the plurality of files; and

a display controlling device which, when the index display instructing device provides the instruction to display the index image, forms the index image based on the plurality of files stored in the recording medium and displays the index image on an image monitor, and which displays a frame corresponding to the moving image recorded in the single recording mode and a frame corresponding to the moving image recorded in the continuous recording mode among the plurality of frames forming the index image with display forms thereof being different from each other.

3. The digital camera according to claim 2, wherein when the recording medium includes a file in which a still image is recorded, the display controlling device displays the frames corresponding to the moving images recorded in the single recording mode and the continuous recording mode with display forms thereof being different from a display form of the still image.

4. The digital camera according to claim 1, further comprising:

a selecting device which selects an arbitrary file from the recording medium which stores the files including the file in which the moving image is recorded in the single recording mode and the file in which the moving image is recorded in the continuous recording mode; and

a display controlling device which displays one frame of the moving image on the image monitor in such a manner that a display form thereof is different between when the moving image is recorded in the file selected by the selecting device in the single recording mode and when the moving image is recorded in the file selected by the selecting device in the continuous recording mode.

5. The digital camera according to claim 4, wherein when the recording medium includes a file in which a still image is recorded, the display controlling device displays the frames corresponding to the moving images recorded in the single recording mode and the continuous recording mode with display forms thereof being different from a display form of the still image.

6. The digital camera according to claim 1, further comprising:

a file selecting device which selects the existing file,

wherein when the existing file is selected by the file selecting device, the recording device records the captured moving image additionally in the selected existing file, and when the existing file is not selected by the file selecting device, the recording device records the captured moving image additionally in an existing file in which a latest moving image is recorded.

7. The digital camera according to claim 6, further comprising:

an index display instructing device which selects a plurality of files from a recording medium which stores files including the file in which the moving image is recorded in the single recording mode and the file in which the moving image is recorded in the continuous recording mode, and provides an instruction to display an index image constituted by a plurality of frames corresponding to the plurality of files; and

a display controlling device which, when the index display instructing device provides the instruction to display the index image, forms the index image based on the

plurality of files stored in the recording medium and displays the index image on an image monitor, and which displays a frame corresponding to the moving image recorded in the single recording mode and a frame corresponding to the moving image recorded in the continuous recording mode among the plurality of frames forming the index image with display forms thereof being different from each other.

8. The digital camera according to claim 7, wherein when the recording medium includes a file in which a still image is recorded, the display controlling device displays the frames corresponding to the moving images recorded in the single recording mode and the continuous recording mode with display forms thereof being different from a display form of the still image.

9. The digital camera according to claim 6, further comprising:

a selecting device which selects an arbitrary file from the recording medium which stores the files including the file in which the moving image is recorded in the single recording mode and the file in which the moving image is recorded in the continuous recording mode; and

a display controlling device which displays one frame of the moving image on the image monitor in such a manner that a display form thereof is different between when the moving image is recorded in the file selected by the selecting device in the single recording mode and when the moving image is recorded in the file selected by the selecting device in the continuous recording mode.

10. The digital camera according to claim 9, wherein when the recording medium includes a file in which a still image is recorded, the display controlling device displays the frames corresponding to the moving images recorded in the single recording mode and the continuous recording mode with display forms thereof being different from a display form of the still image.

11. The digital camera according to claim 1, further comprising:

a setting device which sets recording criteria in capturing the moving image,

wherein when the continuous recording mode is set by the recording mode setting

device, the recording criteria in capturing the moving image which is recorded in the existing file in which the moving image is additionally recorded are automatically set to disable setting by the setting device.

12. The digital camera according to claim 11, wherein the recording criteria include at least one of image quality, the number of pixels and a frame rate.

13. The digital camera according to claim 1, further comprising:

a device which obtains a white balance correction value based on information from a subject;

a device which carries out white balance correction with the white balance correction value changed so as to gradually converge from a current white valance correction value to the obtained white balance correction value in capturing the moving image; and

a storing device which stores a white balance correction value used at finish of capturing the moving image,

wherein when the continuous recording mode is set by the recording mode setting device, the white balance correction value stored in the storing device is used as a white balance correction value at start of capturing the moving image.